

**ADC COMPACT
ID SOFTWARE
AND ID TABLET**

USER MANUAL

TABLE OF CONTENTS

SAFETY INFORMATION	1
Safety information - ID Station console	1
Safety information - ID Station tablet	4
Technical requirements ADC Compact ID Software	6
PC Configuration	6
 ADC COMPACT ID SOFTWARE	 7
 WORKING WITH THE ID STATION	 9
Safety precautions	9
General description of the ADC Compact ID Station	10
Functions and features of the ID Station	10
Components of the ID Station	11
Switching the ID Station on and off	12
Starting the ADC Compact ID Software	12
Exiting the ADC Compact ID programme	14

Working with the menu system	15
Selecting items from a menu	15
Filling in information in an entry screen	17
Online help	17
Function keys	18
Standby Screen	20
File Menu	21
Configuration Menu	22
Operator options in the Configuration menu	23
System Manager options in the Configuration menu	27
Change User option in the Configuration menu	30
Help Menu	30
Inserting and removing a cassette	33
Identifying a cassette	34
Clearing information	54
Recalling a patient	55
New Patient	56
Identifying a cassette with data from the history list	57
Link	60
Hold/Unhold	64
Destination Rerouting	65
Reading a cassette	66
Erasing an image plate	71

Safety information

Safety information - ID Station console

General Warnings

- There are no user serviceable parts on the console.
- Pay attention when working near the pedestal: the foot projects slightly and could be tripped on.
- When rolling the pedestal away from its position, take care not to pull or put any strain on the power lead.
- The pedestal shelves should not be used as a footrest!
- If the shelves are re-positioned at a different height, the locking clips should be re-inserted.
- If the user prefers to install a monitor other than the one provided/sold by Agfa, he should ensure that it is locked to the top shelf of the pedestal at all times, according to the method described in the manual. See drawing supplied with the console.
- When moving the pedestal, take care to ensure that it remains stable at all times. In particular, the following considerations should be kept in mind: the nature of the floor and any floor-coverings, carpets, etc.; any obstructions such as cables; and any slopes to be negotiated.
- Only attach appliances with line voltage equal to that of the ID Station.

Installation of the equipment

The following instructions should be observed for safe installation of the equipment.

- Install the tie-wraps that are delivered with the pedestal crosswise over the foot of the monitor to ensure that it is securely fixed.

- Tighten the tie-wraps firmly.
- The tie-wraps may be released by the use of a simple screwdriver.

Monitor requirements

- It is not necessary for the user to buy the monitor offered by Agfa. He may use/buy his own monitor. If he does, it should comply with certain criteria to ensure that it can safely be used in combination with the pedestal with regard to stability and securing method. (Agfa monitors are fully compliant.)
- The maximum size of monitor is 17 inches.
- The foot of the monitor should be such that it may be properly secured to the pedestal with the tie-wraps provided. It is the user's responsibility to ensure this.

Compliance

The equipment (both tablet and pedestal) is approved to the following standards:

- UL1950, Third Edition
- CAN/CSA 22.2 No. 950-95, Third Edition (cUL)
- EN60950 (TÜV)
- GS (TÜV)

The equipment complies with all applicable European Directives and bears the CE mark.

Cleaning

Pull the power plug out of the equipment prior to cleaning the equipment.

Disposal

When its service life is over, do not dispose of the ID station without consideration of local waste disposal regulations.

Please consult your local sales organisation.

Safety information - ID Station tablet

Tablet technical data

- Working voltage (input): 100-230 V ac
- Frequency: 50-60 Hz
- Max. rated current: 5 A (with appliance outlets loaded to the maximum)
- Classification: Class I (earthed)
- Operating conditions: temp.: 15 to 30 °C, RH: 15% to 75%
- Fuses: Europe: 5 Amp Slow/Träge/Temporisé/250 V
 North America: 5 Amp Slow/Träge/Temporisé/125 V min

The equipment is suited for continuous operation.

Power outlets

The equipment is provided with 2 power outlets (1 for a PC and 1 for a monitor).

- Output voltage is equal to input voltage
- Maximum current (outlet 1 + outlet 2): 4 A total
- Frequency: 50-60 Hz

When connecting equipment to these outlets, take care not to exceed the maximum total current of 4A.

Replacement of fuses

Before replacing the fuses, remove the power plug from the lead.

The following important reminder is marked on a label on the equipment:

‘For continued protection against a risk of fire, replace fuse with same type and rating.’

The fuse type is

- for Europe: 5 Amp Slow/250 V
- for North America: 5 Amp Slow/ 125 V min

Compliance

The equipment is approved to the following standards:

- UL1950, Third Edition
- CAN/CSA 22.2 No. 950-95, Third Edition (cUL)
- EN60950 (TÜV)
- GS (TÜV)

The equipment complies with all applicable European Directives and bears the CE mark.

Cleaning

Pull the power plug out of the equipment prior to cleaning the equipment.

Disposal

When its service life is over, do not dispose of the ID station without consideration of local waste disposal regulations.

Please consult your local sales organisation.

Technical requirements ADC Compact ID Software

PC Configuration

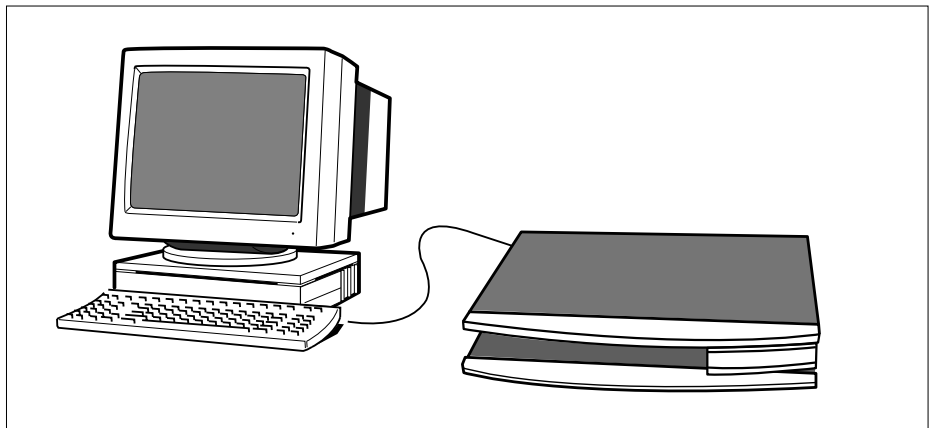
- Pentium 200 Mhz MMX
- 64 MB RAM (total)
- 2 MB video RAM
- 1 CD ROM
- 1.6 GB hard disk
- Multimedia
- 10/100 Base T ethernet
- 17 inch monitor
- Windows ® 95, Windows NT ®, Unix
- ID Tablet

ADC Compact ID Software

The ADC Compact ID Software is used to record patient demographic and examination data onto the memory chip that is embedded in the ADC Compact cassette. Patient demographic and examination data are written onto the ADC Compact cassette memory by contactless radiofrequency transfer when the cassette is inserted into the transmission slot of the ID tablet.

During the cassette readout, the ADC Compact system links the demographic data with the image and uses the examination data to set the appropriate image processing parameters.

The ADC Compact ID Software runs on standard PC platforms. If PCs conforming to the required standards are already available in the department, you only need to install the ADC Compact ID Software and the ADC Compact ID tablet to have a fully operational ADC Compact ID Station. For a full description of the required hardware performance standards we refer to page 6 of this manual. The ADC Compact ID software can also be installed on Unix workstation platforms. As a result, in smaller departments the ID software can run on the ADC Compact Processing server without the need for an additional PC.



Agfa also offers a fully configured ADC Compact ID station including the PC, the ID Software, the ID tablet and the console with storage racks, ready for use.



Working with the ID Station

Safety precautions

The ID Station complies with the UL544 standard for 'Non Patient Care Medical Equipment'. This means that, although it is absolutely safe, patients may not come into direct contact with the equipment.

Therefore the ID Station must be placed outside a radius of 1.5 m around the patient.

There are no user-serviceable parts inside the ID Station. Perform no other operations on the ID Station than the ones described in this manual.

General description of the ADC Compact ID Station

Functions and features of the ID Station

With the ID Station you can record patient demographics and examination data required to obtain an optimally processed image onto the memory chip which is embedded in the ADC Cassette.

You have only to insert the cassette into the transmission slot of the ADC Compact ID tablet. You can then perform the various operations using the interactive menus of the ADC Compact ID Software.

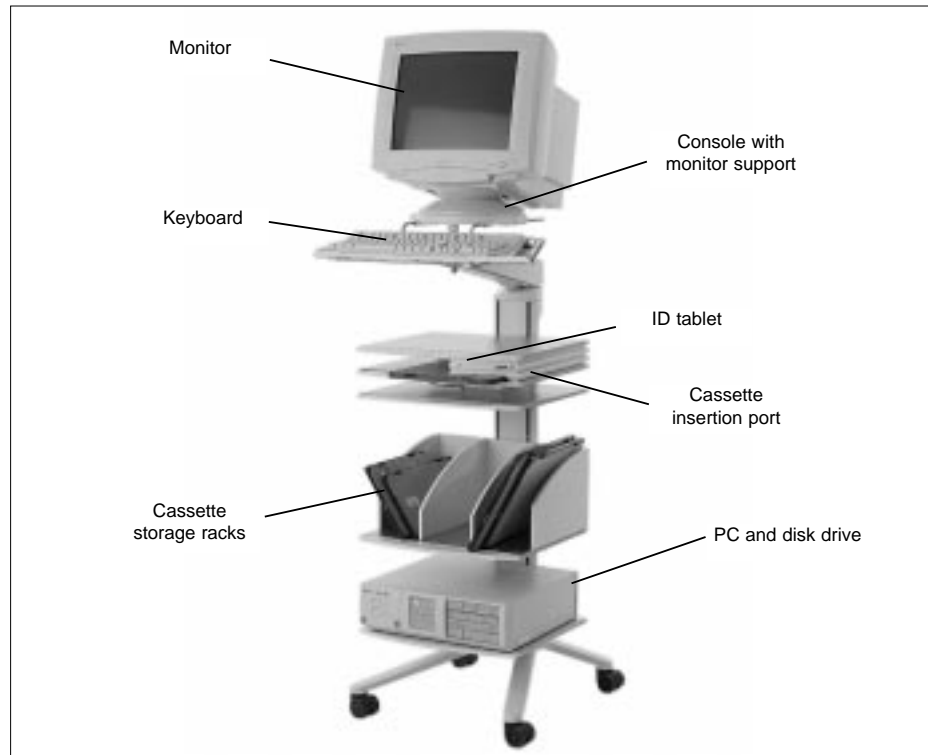
Besides identifying a cassette, you can also perform the following operations with the ID Station:

- Read information from a previously identified cassette.
- Command the erasure of the image plate inside the ADC Cassette in the next Digitizer cycle.
- Create and use a patient list. You can transfer data from the patient list directly onto the cassette and from the identification screen to the patient list, eliminating the need to retype any information.
- Using the ADC Rislink Toolkit, the ADC Compact ID Software can be integrated into your RIS, permitting rapid and error-free communication of patient data from the RIS system.

As there is no physical link between the ID Station and the Digitizer, you can easily employ multiple ID Stations to serve one Digitizer.

Components of the ID Station

The illustration below shows the components of a fully configured ID Station.



- PC with internal disk drive, floppy disk drive and CD-ROM drive
- monitor and keyboard to operate the menu system
- ID tablet to perform operations on ADC Cassettes
- cassette storage rack
- console with monitor support.

Switching the ID Station on and off

The ADC Compact ID Software is an extremely user-friendly Windows-based application. The assumption is that the user is thoroughly familiar with the look and feel of the graphical user interface (GUI) used in the industry-standard Microsoft Windows operating systems and in Windows-based applications, as this graphical user interface is the most intuitive way for people to interact with a computer.

A principal goal of the GUI in Microsoft Windows is to establish visually and functionally consistent communication between the user and the application, i.e. consistent keyboard commands and consistent menus for identical actions. Such consistency helps ensure that a user who can use one Windows-based application can use them all. We therefore assume that the user of the ADC Compact ID Software is fully conversant with windows and window arrangements, sizing, scrolling and splitting controls, menus and dialog boxes, toolbars and rulers, shortcut and access keys, GUI messages and status indicators, and the like.

Note

The default Graphic User Interface (GUI) can be re-configured. An Agfa Service technician or the hospital's System Manager can configure the following GUI elements on request:

- Whether a specific field is present or not
- Specifying the location of fields
- Specifying the font size

Starting the ADC Compact ID Software

To start the ADC Compact ID Software from the Windows main desktop screen, you can proceed in the following ways. You either

- Start the programme by clicking the Windows Start button and then click the ID Software programme in the menu
- Have the ADC Compact ID Software started each time Windows starts
- Start the ADC Compact ID Software by using the Windows Run command
- Click the ADC Compact ID Software icon on the desktop

The ADC Compact ID Software first runs an internal test procedure, then displays the ID Startup screen, an example of which is shown below. After prompting the user to enter the user name and password, the ADC Compact ID programme is ready for use.



Note

The ADC Compact ID Software is supplied virus-free on CD. However, it is always advisable to install a virus protection programme.

Exiting the ADC Compact ID programme

In order to exit the ADC Compact ID application from the Standby screen or from the Identification screen, proceed as follows:

- Click the File menu and then click Exit.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

Read cassette
Enter cassette
Patient list
Show history
Exit

Unknown
00/00/0000
Male
Unknown
Unknown
Accession number

User Info

STUDY

Radiologist: AGFA DEFAULT
Examination: SYSTEM DIAGNOSIS
Sub examination: Lds/Agfa CR contrast

IMAGE

Department: AGFA
Patient position: PA
Cassette orientation: Portrait
Exposure Class: 200

User Info 1

DESTINATIONS

Hardcopy unit: None
Processing station: ADC_P81
Archive station: None
Send station: None

Number of copies: 0
File format: BINX10IN

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [NOTHOLD] 11/03/1997 08:52:23

- Or click the Close button at the far right of the title bar.

The system then returns the following screen window asking for confirmation.

Exit

Are you sure you want to leave this program?

Yes No

Working with the menu system

Selecting items from a menu

The ADC Compact ID application has a menu-driven, or interactive, user interface. It consists of drop-down menu screens, cascading menu screens and entry screens. You can open drop-down menus by selecting and clicking the menu name. The cascading menus or submenus are accessed by selecting the menu commands that have a right-pointing triangle, as is shown in the Configuration menu below.



The entry fields or text boxes in the entry screens are accessed by using the [TAB] key (or Shift [TAB] key for moving back) until the item of your choice appears highlighted on the menu screen. Then [ENTER] is pressed to activate the item. Entry screens sometimes feature drop-down list boxes, showing a list of items the user can select. Clicking the drop-down arrow opens the list box to show the available options. The option is selected by moving the pointer and clicking the relevant item.

For example, if you have to fill in the sex in the patient field of the main identification screen, you simply click the drop-down arrow, which will open the available options, drag the pointer to your relevant choice and release the mouse button. An example of the 'Sex' drop-down list box in the main identification screen is shown below.

Alternatively you can also enter the first letter, or digit, of the item of your choice to highlight it, then press [ENTER]. So, in order to select 'Female' in the Sex entry field in the above identification screen, you can simply type the letter 'F'.

In this manual the term 'Select' is used to designate the combined activity of highlighting an item and pressing [ENTER] to activate it.

Note

The number of items in a list may depend on the specific configuration of your ADC System.

Filling in information in an entry screen

The ADC Compact ID application provides the following text editing features for entering or editing text within an entry field:

- Press the [TAB] respectively Shift [TAB] keys to move the cursor to within the highlighted field.
- Press [DEL] to remove the character over which the cursor is positioned.
- Typed characters either overwrite those over which the cursor is positioned or are inserted, depending on whether the [INSERT] key has been pressed. Press [INSERT] to toggle between insert and overwrite mode.
- You can press [ENTER] at any time while editing the highlighted fields, to accept what is in the field and move to the next one for editing.
- Empty fields are filled automatically with default values.

Online help

In a number of cases there is a hint message in the bottom of the screen, telling you what to do to fill in the current screen correctly.

Function keys

In the 'Identification' entry screen, you can use and configure function keys to shortcut the identification procedure. Up to 10 Function keys (F1 to F10) can be configured using the configuration tool.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:
 Birth date: Patient ID:
 Sex: Accession number:
 User Info:

STUDY

Radiologist:
 Examination: Sub examination:

IMAGE

Department:
 Patient position:
 Cassette orientation: Exposure Class:
 User Info 1:

DESTINATIONS

Hardcopy unit: Number of copies:
 Processing station: Film format:
 Archive station:
 Send station:

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [NOTHOLD] 11/03/1997 05:35:01

The table below is a sample list of a number of available functions and the function keys they could have been assigned to, together with their description (the name of the key) and what happens when you press the relevant key. These functions are displayed in the bottommost toolbar of the identification entry screen.

Key	Description	Function
F1	Write	Enters the information from the current fill-in screen into the cassette at the moment it is pressed.
F2	Clear	Clears the highlighted field.
F3	Recall	Recalls 15 previous data of the Patient group, User Info fields and Comment field. When recalling an item, the previously identified information of the last identification is called back and is used for the subsequent identification.
F4	New Patient	Clears all the patient data fields in the Patient group.
F5	Add Patient	Adds all the patient information to the patient list and saves the list.
F6	Link	Initiates a link between two cassettes.
F7	History	Copies patient information from a list with the last identified patients directly to the identification screen after selection.
F8	Re-route	Re-routes images that have been autorouted by default to certain hardcopy, review, archive or processing destinations, to another destination.
F9	RIS	Provides access to the RIS system.
F10	Cancel	Brings you back to the previous menu or entry screen and eventually to the main Standby screen.

Also other functions, which will be described later in this manual, like 'Internal worklist', 'Hold', 'Full Leg/Full Spine', 'Build Study', and so on can be customized into a function key.

Standby Screen

After having started the ADC Compact ID application from the Windows main desktop screen, the system returns a Startup screen prompting you to enter your user name and password. User names and passwords differ, depending on whether you log in as a User, a System manager or Service. The User and System passwords are configurable.

After entering your user name and password, the system displays the following screen, featuring three active drop-down menus, 'File', 'Configuration' and 'Help'. The 'Mode' and 'Perform' menus cannot be accessed from the Standby screen. They are only active in the Identification screen proper.



File Menu

The functions in the File Menu of the Standby screen, viz. Read cassette, Erase cassette, Patient List and Exit as displayed in the screen below, can be accessed from the identification screen proper and will be discussed in a further section of this manual.



Configuration Menu

When moving the pointer to 'Configuration' in the Standby screen, as a User, the drop-down menu unfolds two active options : 'Operator' and 'Change user', as is shown in the sample screen dump below.



The System Manager and Service options within this menu are inactive and can only be accessed by the System Manager, respectively Agfa service personnel.

Operator options in the Configuration menu

By selecting the 'Operator' option within the Configuration menu, a cascading menu, as is shown below, can be accessed featuring various options:



- Hold status
- Sound
- Automatic text selection
- Reset window size
- Always to front
- Destination rerouting

The Destination rerouting option can only be accessed when the ADC Compact Autorouting Software has been installed.

Hold status

The 'Hold' status can be toggled ON or OFF. When it is set ON, the system displays the 'Hold' indication on the status line of the main identification screen, as shown in the sample screen dump below.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Unknown Firstname: Unknown
Birth date: 00/00/0000 Patient ID: Unknown
Sex: Male Accession number:
User Info:

STUDY

Radiologist: ASPA DEFAULT
Examination: SYSTEM DIAGNOSIS Sub examination: Lds/Agfa CR contrast

IMAGE

Department: AGFA
Patient position: PA
Cassette orientation: Portrait Exposure Class: 200
User Info 1:

DESTINATIONS

Hardcopy unit: None Number of copies: 0
Processing station: ADC_P81 Film format: BINX10IN
Archive station: None
Send station: None

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [AUTO|HOLD] 11/03/1997 08:50:21

When destinations are on 'Hold', the default routing of images to hardcopy units, archive and review stations is halted. In order to override the 'Hold' function and re-initiate the sending procedure, you must press the [PROCEED] button in the Preview screen, provided the ADC Compact Preview Software has been installed on your system. If you fail to press the [PROCEED] button in the Preview screen, the system will automatically, after a set time-out, re-initiate the sending procedure.

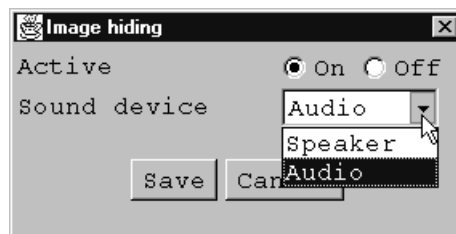
When pressing [CANCEL] the default routing of images is discontinued. It can only be re-activated from the Processing Station.

The sending of images to their default destinations can be put 'on hold':

- by interactively toggling the Hold/Unhold option in the Perform menu of the Main identification screen or
- by pressing a function key that has previously been configured as a Hold/Unhold button
- the service technician might also assign the 'Hold' attribute to certain examinations by default, for example bed-side thorax, by altering the cpf file. This 'Hold' attribute can be overridden using the Hold/unhold toggle in the Perform menu of the identification screen or by pressing the Hold function button, if any.

Sound

The Sound item in the Operator menu enables respectively disables the beep sound option. In the dialog box as displayed below you can select the sound device, i.e. sound card respectively motherboard.



Automatic text selection

When the Automatic text selection option is on, the data of the entry field selected is highlighted. When new characters are keyboarded, the highlighted text is automatically deleted and replaced with the newly entered characters. This feature only affects editable fields.

Reset window size

Selecting the Reset window size option sets the active window size to default.

Always to front



The Always to front option is only relevant in case the ADC Compact Preview Software has been installed on your system. It is a toggle option which enables the user to set the Identification Standby screen always in front of the Preview screen.

- With the Always to front option ON, the identification screen remains in front of the Preview screen, or comes to the front whenever an identification procedure is performed.

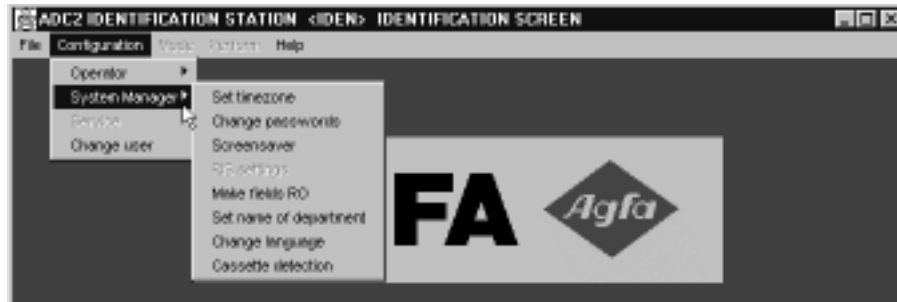
- When the Always to front option is OFF, the Identification screen is put behind the Preview screen and remains there until any identification action is performed.

System Manager options in the Configuration menu

Having logged in as System Manager, the System Manager option within the Configuration menu, as shown below, can be accessed featuring the following options:

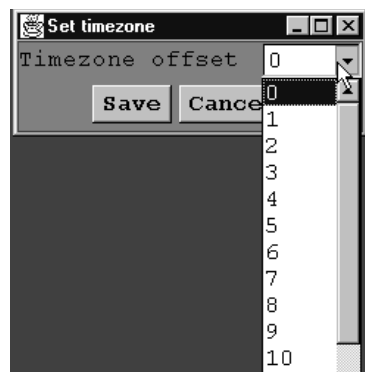
- Set time zone
- Change passwords
- Screensaver
- Make fields RO
- Set department name
- Change language

■ **Cassette detection**



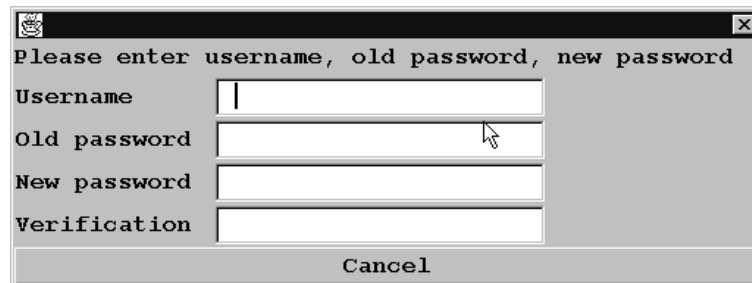
Set time zone

Using the Set time zone option the System Manager can set the system's time zone.



Change passwords

The Change passwords option enables the System Manager to set User and System passwords. Whenever a new password is entered, the old password is asked for.



Note

The use of 'User Password' can be enabled, respectively disabled by the service technician. If disabled, the user is not asked for a password when accessing the Identification application.

Screensaver

The Screensaver option is used for enabling respectively disabling the use of a screen saver. In case it is enabled, the time-out can be configured to 1, 5, 15, 30 and 60 minutes after any identification activity.

Make fields RO

This option makes fields 'Read-Only'.

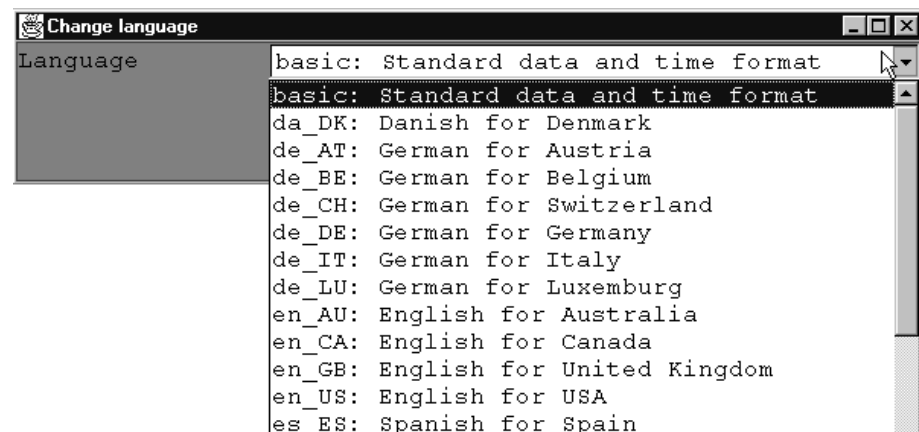
Set department name

This option enables the System Manager to set the department name.

A dialog box titled "Set department name" with a close button (X) in the top right corner. It contains a text input field labeled "Department" with a cursor inside. Below the input field are three buttons: "Save", "Clear contents", and "Cancel".

Change language

The Change language option enables the System Manager to select from a scroll-down list a country language other than the default.

A dialog box titled "Change language" with standard window controls (minimize, maximize, close) in the top right corner. It features a list box labeled "Language" on the left and a scrollable list of language options on the right. The first option, "basic: Standard data and time format", is selected and highlighted. The list includes various language codes and their corresponding countries/regions.

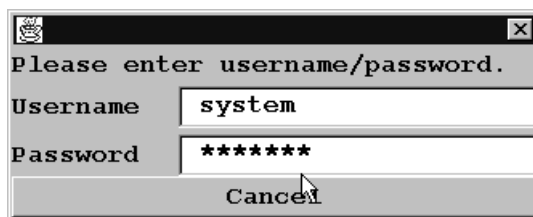
Cassette detection

This option enables the System Manager to enable respectively disable the cassette detection feature.

Change User option in the Configuration menu



This option enables the user to change the User level. The password associated with the newly requested user level is asked for. Entered characters show up as asterisks (*).



Help Menu

When clicking the Help Menu, the drop-down list displays the following options.



Info

This file contains a full description of the configuration of the ID Station, listing the following items:

■ Info on Configuration

ID Station Name	
Locale	
Date format	
Link option	ON/OFF
RIS-Link option	ON/OFF
Auto-Routing option	ON/OFF
Full leg/Spine option	ON/OFF
Screen saver via password	ON/OFF

■ Info on Hardware

Processor type

■ Info on System

Operating version system

■ Info on Network

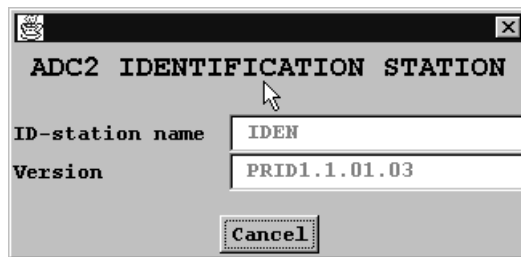
PC hostname
ip-address
subnetmask
default router
AE-title
CPF host URL
Port number

■ Info on RIS

RIS enabled	Yes/No
RIS .exe path	
RIS data file path	
RIS locale	
Remove risfile	ON/OFF

Version

When selecting this menu item the ID Station's name and version number is shown.

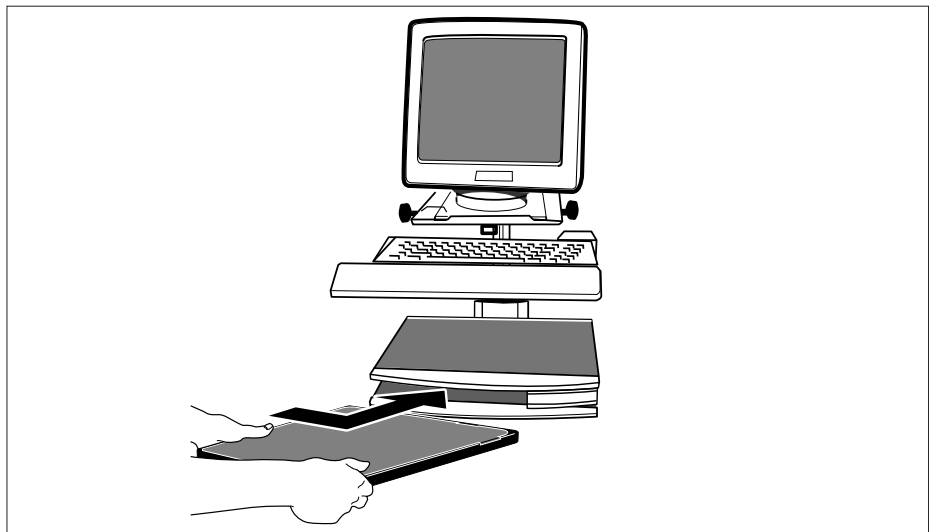


Inserting and removing a cassette

When you want to identify a cassette, or when the ADC Compact ID application prompts for insertion of a cassette, insert the cassette in the slot of the ADC Compact ID tablet so that the ID Station can access the RF-tag memory chip embedded in the cassette.

To do so, proceed as follows:

- 1 Orient the cassette with the labels facing up (tube side down) as shown in the illustration below.



- 2 Gently insert the cassette.
- 3 Leave the cassette in this position to perform the operation of your choice.

Caution

If you decide not to perform any operation on the cassette, press [CANCEL], then withdraw the cassette from the ID tablet slot.

Identifying a cassette

Identifying a cassette consists in keying in the required information like patient demographics, examination data, image features, destinations, etc.

Proceed as follows to identify a cassette:

- 1 Insert a cassette in the cassette slot of the ADC Compact ID tablet.

The ID Station returns the 'Identification' entry screen:

- In case of a first identification after start-up, the upper patient field in the screen is blank and in the 'Patient Name' field the pointer will be blinking, as in the sample screen below:

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name Firstname
Birth date 00/00/0000 Patient ID
Sex Male Accession number
User Info

STUDY

Radiologist ASFA DEFAULT
Examination SYSTEM DIAGNOSIS Sub examination Lds/Agfa CR contrast

IMAGE

Department ASFA
Patient position PA
Cassette orientation Portrait Exposure Class 200
User Info 1

DESTINATIONS

Hardcopy unit None Number of copies 0
Processing station ADC_PS1 Film format 81XX101W
Archive station None
Send station None

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [MUT0] 19/03/1997 16:33:40

Note

The format and layout of the Identification screen in your application might differ from the one displayed above, as they are fully configurable. Also the number of displayed fields can be configured.

The default entries in the lower part of the screens are configured by your application engineer during installation of the system. They are linked to the Radiologist, Examination type and Examination Subtype. You can manually override these settings, e.g. to process a specific examination which was not performed in the usual way. The default settings themselves can only be modified by a trained application engineer.

- If it is not the first identification after start-up, the patient name field will be highlighted. All fields in the Identification screen will contain the information stored on the previous cassette's memory chip, as you can see from the sample screen below.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: COOPER Firstname: ALAN
 Birth date: 01/04/1947 Patient ID: 6UH586
 Sex: Male Accession number: 8P12
 User Info:

STUDY

Radiologist: AGFA DEFAULT
 Examination: SYSTEM DIAGNOSIS Sub examination: Lds/Agfa CR spatial

IMAGE

Department: Urology
 Patient position: PA
 Cassette orientation: Portrait Exposure Class: 50
 User Info 1:

DESTINATIONS

Hardcopy unit: DRYSTAR Number of copies: 1
 Processing station: ADC_P53 Film format: BINX10IN
 Archive station: None
 Send station: None

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [CURSOR] 19/03/1997 17:03:03

This feature saves time as you do not have to re-enter information when several cassettes of the same patient have to be identified. If you want to enter information for a different patient, press the New Patient function key, if any, or select the New Patient option in the Perform menu to remove the identification data and to move the cursor to the first data field.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: COOPER Firstname: ALAN
 Birth date: 01/04/1947 Patient ID: G0H586
 Sex: Male Accession number:
 User Info:

STUDY

Radiologist: ASPA DEFAULT
 Examination: SYSTEM DIAGNOSIS Sub examination: Lds/Agfa CR spatial

IMAGE

Department: Urology
 Patient position: PA
 Cassette orientation: Portrait Exposure Class: 50
 User Info 1:

DESTINATIONS

Hardcopy unit: DRYSTAR Number of copies: 1
 Processing station: ADC_P53 Film format: 81XX101W
 Archive station: None
 Send station: None

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. (NOT) 19/03/1997 17:10:41

- 2 Fill in the patient name (33 characters maximum), then press [ENTER] or [TAB].

Whenever [ENTER] or [TAB] is pressed, the cursor moves to the next field. If you want to move back to the previous field, press Shift [TAB].

Note

You do not have to fill in all the fields in this data entry screen. Empty fields are automatically filled in with default values.

- 3 Fill in the patient's first name (20 characters maximum), then press [ENTER] or [TAB].

The cursor moves to the next field.

- 4 Fill in the date of birth of the patient, then press [ENTER] or [TAB].

- 5 Fill in the patient ID code (15 characters maximum), then press [ENTER] or [TAB].

The cursor moves to the next field.

- 6 Select the patient's sex in the drop-down list box, then press [ENTER] or [TAB].

The cursor moves to the next field.

- 7 Enter the patient's accession number, press [ENTER] or [TAB].

The patient's accession number is the RIS identification code that is used for extracting the current examination information from the Radiology Information System (RIS) or in the Hospital Information System (HIS). If you want more information on how to connect your ADC Compact system with your RIS or HIS, refer to your local Agfa representative or consult the ADC Compact Rislink Toolkit manual.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: COOPER Firstname: ALAN
 Birth date: 01/04/1947 Patient ID: GUB586
 Sex: Male Accession number: RIS-6603
 User Info:

STUDY

Radiologist: ASFA DEPAULT
 Examination: SYSTEM DIAGNOSIS Sub examination: Lds/Agfa CR spatial

IMAGE

Department: Urology
 Patient position: PA
 Cassette orientation: Portrait Exposure Class: 30
 User Info 1:

DESTINATIONS

Hardcopy unit: None Number of copies: 1
 Processing station: ADC_P51 Film format: 141WX171W
 Archive station: None
 Send station: None

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [AUTO] 19/03/1997 17:45:11

After having pressed [ENTER] or [TAB], the cursor moves to the next field in the sample screen as shown below, the User Info field. User Info fields are optional information fields which you may not want to include or which you can configure, assign a different name and place anywhere in the 'Patient', 'Study' or 'Image' sections of the Identification screen.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: COOPER Firstname: ALAN
 Birth date: 01/04/1947 Patient ID: GUB586
 Sex: Male Accession number: RIS-6603
 User Info: Bed N° 776

STUDY

Radiologist: ASPA DEPAULT
 Examination: SYSTEM DIAGNOSIS Sub examination: Lds/Agfa CR spatial

IMAGE

Department: Urology
 Patient position: PA
 Cassette orientation: Portrait Exposure Class: 30
 User Info 1:

DESTINATIONS

Hardcopy unit: None Number of copies: 1
 Processing station: ADC_P51 Film format: 14INX17IN
 Archive station: None
 Send station: None

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. (AUTO) 19/03/1997 18:21:55

When selecting New Patient, the Patient Name field turns blank, together with the User Info field (in point of case, the bed number in the hospital).

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:
 Birth date: Patient ID:
 Sex: Accession number:
 User Info:

STUDY

Radiologist:
 Examination: Sub examination:

IMAGE

Department:
 Patient position:
 Cassette orientation: Exposure Class:
 User Info 1:

DESTINATIONS

Hardcopy unit: Number of copies:
 Processing station: Film format:
 Archive station:
 Send station:

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [MUT0] 19/03/1997 18:24:52

This concludes the completion of the patient data. After having pressed [ENTER] or [TAB], the cursor moves to the 'Radiologist' field in the 'Study' section of the Identification screen.

Note

Filling in the 'Date of birth' field is not mandatory. Empty fields are automatically filled in with 'unknown'.

- 8 Press [ENTER] or [TAB] in the Radiologist field if you want to select the currently displayed radiologist.

Otherwise, press the first character of the radiologist's name, or press the downward arrow in the list box to display the list of radiologists. A drop-down menu appears, showing a number of radiologists. Select the radiologist in charge of the exposure.

By selecting a specific radiologist you automatically select default parameters adapted to, or preferred by, this radiologist.

After pressing [ENTER] or [TAB], the cursor moves to the Examination field.

- 9 In the Examination field, press the first character of the examination type, or select the examination type from the drop-down list box that is displayed when clicking the downward arrow. The system returns a screen similar to the sample screen below.

- 10 Press the [ENTER] or [TAB] key to move to the Sub-Examination field.

- 11 Press [ENTER] or [TAB] if you want to select the currently displayed Sub-Examination type. You can also type the first character of the Sub-Examination name, e.g. 's' for 'skull'. You can also make your selection by clicking the downward arrow of the drop-down list box listing all the examination sub-types that are associated with the Examination type you selected in the previous step, as shown in the sample screen below.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:

Birth date: Patient ID:

Sex: Accession number:

User Info:

STUDY

Radiologist:

Examination: Sub examination:

IMAGE

Department:

Patient position:

Cassette orientation: Exposure Class:

User Info 1:

DESTINATIONS

Hardcopy unit: Number of copies:

Processing station: Film format:

Archive station:

Send station:

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [MUT0] 19/03/1997 19:09:28

By selecting the examination sub-type you automatically set default parameters for the following fields in the Image section of the Identification screen, viz. patient position, cassette orientation and exposure class. You will have to modify these parameters only in exceptional circumstances.

After pressing the [ENTER] or [TAB] key for the selection of the examination sub-type, the cursor automatically moves to the 'Department' field in the Image section of the Identification screen.

- 12 Press [ENTER] or [TAB] to confirm the currently displayed Department or type the Department name you want to select.

The cursor automatically moves to the next field, the Patient Position.

- 13 Press [ENTER] or [TAB] to select the currently displayed Patient Position or type the first character of the Patient Position acronym, e.g. 'p' for PA, or select the Patient Position from the drop-down list box, using your mouse or the arrow keys.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:

Birth date: Patient ID:

Sex: Accession number:

User Info:

STUDY

Radiologist:

Examination: Sub examination:

IMAGE

Department:

Patient position:

Cassette orientation: Exposure Class:

User Info 1:

DESTINATIONS

Hardcopy unit: Number of copies:

Processing station: Film format:

Archive station:

Send station:

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [AUTO] 19/03/1997 19:37:16

Type [ENTER] or [TAB] to move the cursor to the following Cassette Orientation field.

- 14 In the Cassette Orientation field, press [ENTER] or [TAB] to accept the default cassette orientation, type the first character L for 'landscape' or P for 'portrait' or select the appropriate cassette orientation from the drop-down menu.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:

Birth date: Patient ID:

Sex: Accession number:

User Info:

STUDY

Radiologist:

Examination: Sub examination:

IMAGE

Department:

Patient position:

Cassette orientation: Exposure Class:

User Info 1:

DESTINATIONS

Hardcopy unit: Number of copies:

Processing station: Film format:

Archive station:

Send station:

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [AUTO] 19/03/1997 19:52:37

After pressing [ENTER] or [TAB] the cursor automatically moves to the adjacent Exposure Class field.

- 15 In the Exposure Class field, press [ENTER] or [TAB] to accept the default value, type the desired speed class or select the exposure class by scrolling down the drop-down list box.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:
 Birth date: Patient ID:
 Sex: Other Accession number:
 User Info:

STUDY

Radiologist: ASFA DEFAULT
 Examination: SERVICE Sub examination: SKULL GENERAL

IMAGE

Department: Urology
 Patient position: LL
 Cassette orientation: Portrait Exposure Class: 200
 User Info 1:

DESTINATIONS

Hardcopy unit: None Number of copies: 1
 Processing station: ADC_P51 Film format: 8:150
 Archive station: None
 Send station: None

F1 Write F2 Clear F3 Recall F4 New patient F7 Histo Cancel

Ready for identification. [CURSOR] 19/03/1997 19:58:32

After confirming your selection, the cursor automatically moves to the User Info field, provided you have configured and placed a User Info field within the Image section of your Identification screen.

- 16 Fill in any comments (up to 40 alphanumeric characters) that you want to append and press [ENTER] or [TAB]. With each new patient you identify, the User Info field will be cleared.

- 17 After pressing [ENTER] or [TAB], the cursor moves to the Hardcopy Unit field in the Destinations section of your Identification screen. Type the destination name or select the Hardcopy Unit destination from the scroll-down list, as shown.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: [] Firstname: []

Birth date: 00/00/0000 Patient ID: []

Sex: Other Accession number: []

User Info: []

STUDY

Radiologist: ASPA DEFAULT

Examination: SERVICE Sub examination: SKULL GENERAL

IMAGE

Department: Urology

Patient position: LL

Cassette orientation: Portrait Exposure Class: 25

User Info 1: []

DESTINATIONS

Hardcopy unit: D13000 Number of copies: 1

Processing station: ABC LR1 Film format: 14INX17IN

Archive station: DRYSTAR

Send station: D13000

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [AUTO] 19/03/1997 20:22:39

Press [ENTER] or [TAB]. The cursor moves to the adjacent Number of Copies field.

Note When 'None' is selected as a Hardcopy Unit destination, the next two fields, viz. The Number of Copies field and the Film Format field remain blank.

- 18 To select the number of hardcopies you want, enter the number of copies you want or select a number from the drop-down list box.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:
 Birth date: Patient ID:
 Sex: Accession number:
 User Info:

STUDY

Radiologist:
 Examination: Sub examination:

IMAGE

Department:
 Patient position:
 Cassette orientation: Exposure Class:
 User Info 1:

DESTINATIONS

Hardcopy unit: Number of copies:
 Processing station: Film format:
 Archive station:
 Send station:

F1 Write F2 Clear F3 Recall F4 New patient F7 Mix F10 Cancel

Ready for identification. [AUTO] 03/1997 20:31:06

Press [ENTER] or [TAB]. The cursor moves to the Processing Station field.

- 19 In the Processing Station field, enter the Processing Station name or select the destination from the drop-down list box, as shown.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Van Wesenbeeck Firstname: Eric
 Birth date: 04/04/1947 Patient ID: 040447
 Sex: Male Accession number:
 User Info:

STUDY

Radiologist: AGFA DEFAULT
 Examination: SYSTEM DIAGNOSIS Sub examination: Lds/Agfa CR contrast

IMAGE

Department: AGFA
 Patient position: PA
 Cassette orientation: Portrait Exposure Class: 200
 User Info 1:

DESTINATIONS

Hardcopy unit: ADC_LR1 Number of copies: 0
 Processing station: ADC_PS1 Film format: BINX10IN
 Archive station: ADC_P81
 Send station: ADC_P83

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. (NOT) 19/03/1997 21:28:15

Select 'none' if you don't want to send the image to the Processing Station. Press [ENTER] or [TAB] to confirm your choice and to move the cursor to the next field, the Film Format field.

- 20 Enter the desired film format or select the format from the drop-down list box, as shown in the sample screen below.

Only the film formats that are supported by the previously selected Hardcopy Unit destination are displayed in the Film Format field. If you select Drystar 3000 as your Hardcopy Unit destination, for example, your options are limited to 11 x 14' and 14 x 17' film formats, and when selecting Drystar 2000, the only available choice is 8 x 10'.

Press [ENTER] or [TAB]. The cursor moves to the Archive Station destinations field.

- 21 If an archiving system is connected to your ADC Compact system, select the Archive Station destination of your choice by entering its name or by selecting it from the drop-down list box.

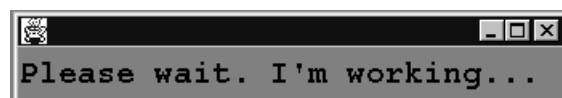
Select 'none' if you do not want to send the image to the Archive Station.
Press [ENTER] or [TAB] to move to the Send destination field.

- 22 If you have any Review Stations connected to your ADC Compact system, select the Review Station you want the image to be sent to, by entering its name or by selecting it from the drop-down list, as shown in the example below.

Select 'none' if you do not want to send the image to the Review Station.
Press [ENTER] or [TAB].

- 23 Press the Write Function key to record all identification data onto the cassette memory chip. If no such Write Function key has been configured, select Write in the Perform drop-down menu, as shown in the sample screen below.

After you have written the identification data to the memory chip in the cassette the application returns the following message:



- 24 Remove the cassette from the cassette slot in the ADC Compact ID tablet and place it into the input buffer of the Digitizer.

After you have removed the cassette, the ID Station returns to the main Standby screen.



Clearing information

By selecting the Clear option in the Perform menu, as shown in the sample screen below, you can clear any information contained in the field selected in the Identification screen. This command can be shortcut using a Function key. In the sample screen below the configured Clear Function key is [F2 Clear].

The screenshot displays the 'ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN' window. The 'Perform' menu is open, showing options: Write, Clear (highlighted), Recall, New patient, History, Hold/Unhold, and Cancel. The interface is divided into several sections: PATIENT (with fields for Name, Birth date, Sex, User Info, Firstname, Patient ID, Accession number), STUDY (with fields for Radiologist, Examination, Sub examination), IMAGE (with fields for Department, Patient position, Cassette orientation, Exposure Class, User Info 1), and DESTINATIONS (with fields for Hardcopy unit, Processing station, Archive station, Send station, Number of copies, Film format). At the bottom, there is a row of function keys: F1 Write, F2 Clear, F3 Recall, F4 New patient, F7 History, and F10 Cancel. The status bar at the very bottom indicates 'Ready for identification.', a cursor, and the date/time '20/03/1997 04:00:48'.

Recalling a patient

The Recall function can only be used in the Patient Identification fields, Comment field and User Info fields of the Identification screen. In order to recall some previous recorded information, proceed as follows:

- 1 Move the cursor to one of the patient identification fields, the Comment field or the User Info fields.
- 2 Press the Recall Function key, if you previously configured the Recall function into a Function key button, or select Recall from the Perform menu in the Identification screen, as shown below. Each time Recall is selected, the previously identified data of the last identifications is called back and used for the next identification procedure.

The screenshot displays the 'ADC2 IDENTIFICATION STATION' software window. The title bar reads 'ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN'. The menu bar includes 'File', 'Configuration', 'Mode', 'Perform', and 'Help'. The 'Perform' menu is open, showing options: 'Write', 'Clear', 'Recall' (highlighted), 'New patient', 'History', 'Hold/Unhold', 'Cancel', 'Link', and 'Reverting'. The main form is divided into several sections: 'PATIENT' with fields for Patient Name (enbeeck), Firstname (Eric), Birth date (947), Patient ID (040447), Sex (dropdown), and Accession number; 'STUDY' with fields for Radiologist (dropdown), Examination (dropdown), and Sub examination (Lds/Agfa CR contrast); 'IMAGE' with fields for Department (A0FA), Patient position (PA), Cassette orientation (Portrait), Exposure Class (200), and User Info 1; and 'DESTINATIONS' with fields for Hardcopy unit (None), Processing station (ADC_F51), Archive station (None), Send station (None), Number of copies (0), and Film format (BINX10IN). At the bottom, there is a row of function keys: 'F1 Write', 'F2 Clear', 'F3 Recall', 'F4 New patient', 'F7 History', and 'F10 Cancel'. The status bar at the very bottom shows 'Used date format: DD/MM/YYYY', a cursor icon, and the date/time '20/03/1997 04:08:22'.

New Patient

The New Patient function clears all patient data fields in the Patient Identification section of the Identification screen. In order to initiate the New Patient function, proceed as follows:

- 1 Press the New Patient Function key (F4 in the sample screen below), provided you previously configured the New Patient function button, or select the New Patient option in the Perform menu of the Identification screen.

The screenshot shows the 'ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN'. The 'Perform' menu is open, with 'New patient' highlighted. The screen is divided into several sections: PATIENT (with fields for Name, Birth date, Sex, User Info, Firstname, Patient ID, Accession number), STUDY (with fields for Radiologist, Examination, Sub examination), IMAGE (with fields for Department, Patient position, Cassette orientation, Exposure Class, User Info 1), and DESTINATIONS (with fields for Hardcopy unit, Processing station, Archive station, Send station, Number of copies, Film format). At the bottom, there are function keys: F1 Write, F2 Clear, F3 Recall, F4 New patient, F7 History, and F10 Cancel. The status bar at the bottom indicates 'Ready for identification.', '(NOT)', and the date/time '20/03/1997 04:19:50'.

- 2 Enter new patient data by either typing the data in or by using the Recall function or the patient data contained in the History list, as described in the next section of this manual.

The ADC Compact ID application stores a history list with the last identification data. You can identify an ADC Compact cassette directly with patient information from this history list.

Insert a cassette into the slot of the ADC Compact ID tablet. Click in the window of the Standby screen or press any key. The system returns the main identification screen.

Select Show History from the File menu or History from the Perform menu.

[illegible][illegible]

You can also press the History function key, provided you have previously configured a function key to that effect.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Firstname:
 Birth date: Patient ID:
 Sex: Accession number:
 User Info:

STUDY

Radiologist:
 Examination: Sub examination:

IMAGE

Department:
 Patient position:
 Cassette orientation: Exposure Class:
 User Info 1:

DESTINATIONS

Hardcopy unit: Number of copies:
 Processing station: Film format:
 Archive station:
 Send station:

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. (NOT) 19/03/1997 23:09:20

The ID Station returns the history list, similar to the sample screen below:



- 3 Select the patient of your choice, then press the Transfer Item button.

The ADC Compact ID application copies the selected patient data from the list and moves it to the main Identification screen. If you want to remove a patient from the History list, click the Clear Item button. The Clear All button is used to remove all patient files from the History list.

- 4 Press the Close button. The selected patient is displayed in the main Identification screen. Fill in the remaining fields or press the Write Function key straight away if you wish to use the History List values already displayed.
- 5 Remove the cassette.

Link

The link option in the ADC Compact ID Software allows for the printing of two cassettes on one single film. The film layout is determined by the layout of the first cassette in the Link sequence.

The use of the Link feature is confined to 2/0 layouts (two images on one film).

In order to 'link' two cassettes onto one film, proceed as follows:

- 1 Insert a cassette in the transmission slot of the ADC Compact ID tablet.
- 2 Identify the cassette by entering all appropriate names and parameters, as described in this manual on pages 31 and following.
- 3 If you want the Link feature to be effective for a whole sequence of cassettes, select Link Mode in the Mode menu. The Link status is then indicated as [LINK] in the status bar at the bottom of the Identification screen.

The screenshot displays the 'ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN' window. The 'Mode' menu is open, showing 'Normal mode', 'Link mode' (selected with a checkmark), 'Subtract mode', and 'Display mode'. The form contains the following fields:

- PATIENT**
 - Patient Name: senbeeck
 - Birth date: 1947
 - Sex: Male
 - Firstname: Eric
 - Patient ID: 040447
 - Accession number: (empty)
- STUDY**
 - Radiologist: AGFA DEFAULT
 - Examination: SYSTEM DIAGNOSIS
 - Sub examination: Lds/Agfa CR contrast
- IMAGE**
 - Department: AGFA
 - Patient position: PA
 - Cassette orientation: Portrait
 - Exposure Class: 200
 - User Info 1: (empty)
- DESTINATIONS**
 - Hardcopy unit: None
 - Processing station: ADC_F51
 - Archive station: None
 - Send station: None
 - Number of copies: 0
 - Film format: BINX10IN

At the bottom, there are function keys: F1 Write, F2 Clear, F3 Recall, F4 New patient, F7 History, and F10 Cancel. The status bar at the very bottom reads 'Ready for identification.', '[NOT@LINK]', and '19/03/1997 23:44:09'.

- 4 In case you want a 'once-only' linking of two cassettes and the selected Mode is Normal Mode, you can Link two cassettes by selecting the Link option in the Perform menu, as shown.

The screenshot shows the 'ADC IDENTIFICATION STATION' software interface. The 'Perform' menu is open, and the 'Normal mode' option is selected. The interface includes fields for Patient Name (Eric), Birth date (1947), Patient ID (040447), Sex (Male), and Accession number. The 'STUDY' section shows 'Radiologist' as AGFA DEFAULT and 'Examination' as SYSTEM DIAGNOSIS. The 'DESTINATIONS' section shows 'Hardcopy unit' as None, 'Processing station' as ADC_PSI, 'Archive station' as None, and 'Read station' as None. The status bar at the bottom indicates 'Ready for identification.' and the date/time is 20/03/1997 14:10:04.

The screenshot shows the same 'ADC IDENTIFICATION STATION' software interface, but the 'Perform' menu is open, and the 'Link' option is selected. The fields for Patient Name, Birth date, Patient ID, Sex, and Accession number are the same as in the previous screenshot. The 'STUDY' and 'DESTINATIONS' sections are also the same. The status bar at the bottom indicates 'Ready for identification.' and the date/time is 19/03/1997 23:43:13.

- 5 After having identified the first cassette in the sequence, press the Function key or select the Write option in the Perform menu. The system then requests you to remove the first cassette, returning the following prompt.



- 6 Remove the first cassette from the ID tablet and insert the second cassette in the cassette slot of the ADC Compact ID tablet. The system returns the Identification screen for identifying the second cassette.

Enter the data that are relevant for the second cassette and press the Write button or select Write in the Perform menu.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

PATIENT

Patient Name: Van Wesenbeeck Firstname: Eric
 Birth date: 04/04/1947 Patient ID: 040447
 Sex: Male Accession number:
 User Info:

STUDY

Radiologist: ASFA DEFAULT
 Examination: SYSTEM DIAGNOSIS Sub examination: Lds/Agfa CR contrast

IMAGE

Department: ASFA
 Patient position: AP
 Cassette orientation: Landscape Exposure Class: 400
 User Info 1:

DESTINATIONS

Hardcopy unit: None Number of copies: 0
 Processing station: ADC_PS1 Film format: BINX10IN
 Archive station: None
 Send station: None

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. [AUTO|LINK] 20/03/1997 24:36:41

During the identification of the second cassette, the patient demographic data and all other data except Sub-examination, patient position, cassette orientation, exposure class and user info can for obvious reasons not be altered. Neither can the destinations, as these have been determined during the identification of the first cassette.

The ADC Compact ID application writes all data to the memory chip embedded in the second cassette and returns to the Standby screen.

Hold/Unhold

For a detailed description of the Hold/Unhold function, we refer to the treatment of the Hold function and Hold status in the description of the Configuration menu of the Standby screen, on page 24 of this manual.

Destination Rerouting

The Destination Rerouting option can only be accessed when the ADC Compact Autorouting Software has been installed on your system. For a full description of the ADC Compact Autorouting Software, we refer to the relevant manual.

Reading a cassette

The 'Read' function enables you to look at the data that was previously entered into the memory chip on the cassette. This is a read only-function. You cannot edit any information from the 'Read' screen. If you wish to edit information, you have to run the 'Identification' procedure again.

You can read an ADC Compact Cassette using the following procedure:

- 1 Select the Read option from the File menu in the Standby screen as shown in the sample screen below.



or

Select the Read option from the File menu in the Identification screen proper.

ADC2 IDENTIFICATION STATION <IDEN> IDENTIFICATION SCREEN

File Configuration Mode Perform Help

Read cassette
Print cassette
Patient list
Show history
Exit

First name
Patient ID
Accession number

User Info

STUDY
Radiologist: ASFA DEFAULT
Examination: SYSTEM DIAGNOSIS
Sub examination: Lds/Agfa CR contrast

IMAGE
Department: ASFA
Patient position: PA
Cassette orientation: Portrait
Exposure Class: 300

DESTINATIONS
Hardcopy unit: None
Processing station: ADC_PS1
Archive station: None
Send station: None
Number of copies: 0
Film format: 81XX101W

F1 Write F2 Clear F3 Recall F4 New patient F7 History F10 Cancel

Ready for identification. (AUTO) 20/03/1997 24:57:19

The following screen is returned:

Cassette status			
PATIENT			
Patient Name		Firstname	
Patient ID		Accession number	
Birth date		Sex	
STUDY			
Radiologist		Physician	
Examination		Sub examination	
Study ID		Study Inst. UID	
Study Date		Study Time	
Total number		Body Part	
Processing code		Session number	
Image number		Total image number	
IMAGE			
Department			
Patient position		Cassette orientation	
Comment		User Info 0	

- 2 Insert the cassette you want to read into the ID tablet and press the Read button. If you want to quit the Reading procedure press the Exit button.

The data that is stored in the memory chip on the cassette is displayed on the screen, as in the sample screen below. The cassette status is shown in the upper cassette status bar. If the Cassette status is 'exposed' then the cassette has been identified but not cycled through the Digitizer.

The screenshot shows a software window titled "Read cassette data". At the top, there is a "Cassette status" bar with the word "EXPOSED" displayed. Below this, the data is organized into sections: "PATIENT", "STUDY", and "IMAGE". Each section contains a list of fields with their corresponding values entered in text boxes. At the bottom of the window, there are "Read" and "Exit" buttons.

PATIENT	
Patient Name	Van Wassenbeek
Patient ID	040447
Birth date	19470404
Firstname	Brian
Accession number	19970320243058
Sex	Male

STUDY	
Radiologist	AGFA DEFAULT
Physician	Unknown
Examination	SYSTEM DIAGNOSIS
Sub examination	Lds/Agfa CR contrast
Study ID	
Study Inst. UID	1.3.51.0.7.26.19970
Study Date	19970320
Study Time	243058
Total number	1
Body Part	
Processing code	20
Session number	26
Image number	1
Total image number	1

IMAGE	
Department	AGFA
Patient position	PA
Cassette orientation	Portrait
Comment	
User Info II	

The lower part of the screen displays additional initialization information, the number of cycles the plate has made since it was initialized, the type of image plate, the acquisition date, and so on.

The screenshot shows a window titled "Read cassette data" with a menu bar containing "File". Below the menu bar, there is a "Cassette status" label and a button labeled "EXPOSED". The window is divided into several sections:

- Exposure Class:** 200
- DESTINATIONS:**
 - Hardcopy unit: [empty]
 - Processing station: ADC_P01
 - Send station: [empty]
 - Wait flag: 0
 - Number of copies: [empty]
 - Archive station: [empty]
 - File layout: [empty]
- CASSETTE INFO:**
 - Cassette number: B97CVV
 - Cassette format: 35CMX43CM
 - Image plate type: AGFAND
 - Acquisition Date: 19970320
 - Usage count: 0
 - ID station name: IDEN
 - Series number: 1
 - Ctrl Version: 200
 - Exposure dose: 5
 - Initialization date: 19970908
 - Scan size: 35CMX43CM
 - Scan resolution: High resolution
 - Acquisition Time: 243050
 - Cassette status: 2
 - Character set: 0
 - Info Version: 100
 - PSData Version: 101
 - Last of study: 1

At the bottom of the window, there are two buttons: "Read" and "Exit".

- 3 Press [EXIT] to return to the identification screen.
- 4 Remove the cassette from the ID tablet slot.

Erasing an image plate

A cassette that has not been used for three days should be erased before being used again.

Caution

An accidental or exceptional X-ray overdose excites the phosphor crystals in deeper layers of the image plate. The deeper layers then still retain a latent image after erasure. This image is called a 'ghost image'. This ghost image is caused by rebounding, cosmic radiation and intrinsic radioactive elements in the phosphor. To remove the ghost image from an image plate you must select the Standard Erasure mode when passing the cassette in the Digitizer. For more details about the Digitizer Erasure modes, we refer to the ADC Compact Digitizer Manual.

The procedure to erase a cassette is twofold. First you must identify the cassette in the ADC Compact ID Station using the Erase function. Secondly, you must insert the cassette into the ADC Compact Digitizer. The Digitizer automatically recognizes this cassette and clears the image plate by exposing it to a powerful source.

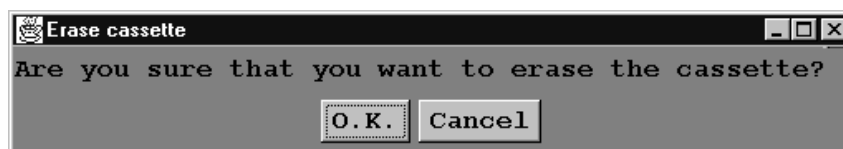
Proceed as follows to erase a cassette:

- 1 Select 'Erase' from the File menu of the Standby screen.



- 2 You are prompted to insert the cassette into the ID tablet slot. Insert the cassette you want to erase into the ID tablet slot.

The application returns a warning message, similar to the one displayed below:



- 3 Click O.K. if you wish to erase the cassette, otherwise select Cancel.
- 4 Remove the cassette from the ID tablet and place it in the input feed buffer of the ADC Compact Digitizer.

The plate of a cassette which is identified as Erase, will not be scanned by the Digitizer, and there will be no data transmission to the printer or to the Processing Station. Instead, the Digitizer will erase the image plate.



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